

SEQUENCE LISTING

<110> Dade Behring Marburg GmbH

<120> Novel surface protein (HBsAg) variant of the hepatitis B Virus

<130> MA 1251

<150> DE 10328139.8

<151> 2003-06-20

<160> 34

<170> PatentIn version 3.2

<210> 1

<211> 462

<212> DNA

<213> Hepatitis B virus

<400> 1

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ttcctcttca tctgtctgct atgcctcatc ttcttggttg ctcttctgga ctatcaaggt	180
atattgcccg tttgtcctct aattccagga tctgcaatca acaacagggg acaatgcaaa	240
acctgcacga ctactgctca cggaacctct atgtatccct actggttgctg taccaaacct	300
tgggacggaa attgcacctg tattcccatc ccatactcct gggctttcgg aaaattccta	360
tgggagtggg cctcagcccg tttctcctgg ctcatgttac tagttccctt tgttcagtgg	420
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<211> 144

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atgtatccct actggttgctg tacc	144

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 tgcaaaa 66

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 <400> 7
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 gcaatcaaca acaggggaca atgcaaa 27

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 <212> DNA
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Gly Gly Thr Thr Val Cys Leu Gly Gln Asn Ser Gln Ser Pro Thr Ser
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Asn His Ser Pro Thr Ser Cys Pro Pro Thr Cys Pro Gly Tyr Arg Trp
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Met Cys Leu Arg Arg Phe Ile Ile Phe Leu Phe Ile Leu Leu Leu Cys
 35 40 45

Leu Ile Phe Leu Leu Ala Leu Leu Asp Tyr Gln Gly Ile Leu Pro Val
 50 55 60

Cys Pro Leu Ile Pro Gly Ser Ala Ile Asn Asn Arg Gly Gln Cys Lys
 65 70 75 80

Thr Cys Thr Thr Thr Ala His Gly Thr Ser Met Tyr Pro Tyr Cys Cys
 85 90 95

Cys Thr Lys Pro Ser Asp Gly Asn Cys Thr Cys Ile Pro Ile Pro Ser
 100 105 110

Ser Trp Ala Phe Gly Lys Phe Leu Trp Glu Trp Ala Ser Ala Arg Phe
 115 120 125

Ser Trp Leu Ser Leu Leu Val Pro Phe Val Gln Trp Phe Val Gly Leu
 130 135 140

Ser Pro Thr Val Trp Leu Ser Val Ile Trp
 145 150

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<212> PRT
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Phe Leu Leu Ala Leu Leu Asp Tyr Gln Gly Ile Leu Pro Val Cys Pro
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<212> PRT
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Phe Leu Leu Ala Leu Leu Asp Tyr Gln Gly Ile Leu Pro Val Cys Pro
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Thr Thr Thr Ala His Gly Thr Ser Met Tyr Pro Tyr Cys Cys Cys Thr
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<212> PRT
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Gln Gly Ile Leu Pro Val Cys Pro Leu Ile Pro Gly Ser Ala Ile Asn
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Asn Arg Gly Gln Cys Lys
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<211> 40
<212> PRT
<213> Hepatitis B virus
<400> 16

Gln Gly Ile Leu Pro Val Cys Pro Leu Ile Pro Gly Ser Ala Ile Asn
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Asn Arg Gly Gln Cys Lys Thr Cys Thr Thr Thr Ala His Gly Thr Ser
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Met Tyr Pro Tyr Cys Cys Cys Thr

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Pro Gly Ser Ala Ile
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Gly Ser Ala Ile Asn
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Ser Ala Ile Asn Asn
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Ile Asn Asn Arg Gly
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<210> 23

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<212> PRT

<213> Hepatitis B virus

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Asn Asn Arg Gly Gln
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<210> 24

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<212> PRT

<213> Hepatitis B virus

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Asn Arg Gly Gln Cys
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<210> 25

<211> 5

<212> PRT

<213> Hepatitis B virus

<400> 25

Arg Gly Gln Cys Lys
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<210> 26

<211> 7

<212> PRT

<213> Hepatitis B virus

<400> 26

Ala Ile Asn Asn Arg Gly Gln
1 5

<210> 27

<211> 9

<212> PRT

<213> Hepatitis B virus

<400> 27

Ala Ile Asn Asn Arg Gly Gln Cys Lys
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<210> 28

<211> 16

<212> PRT
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<400> 28

Ala Ile Asn Asn Arg Gly Gln Cys Lys Thr Cys Thr Thr Thr Ala His
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<210> 29
<211> 27
<212> PRT
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<400> 29

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Gly Thr Ser Met Tyr Pro Tyr Cys Cys Cys Thr
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<211> 20
<212> PRT
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Cys Lys Thr Cys Thr Thr Thr Ala His Gly Thr Ser Met Tyr Pro Tyr
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Cys Cys Cys Thr
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<210> 31
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<210> 32
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<220>
<223> Primer 2

<400> 32
tatacccaaa gacaaaagaa aattgg 26

<210> 33
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<212> DNA
<213> Artificial Sequence

<220>
<223> Primer 3

<400> 33
gactcgtggt ggacttctct c

21

<210> 34
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<212> DNA
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<223> Primer 4

<400> 34
tacagacttg gcccccaata cc

22